

INVISIBLE FILE TECHNOLOGY

FOR RECOVERING OR PROTECTING A COMPUTER FILE SYSTEM

Dongho Song

ABSTRACT

5 Invisible file technology is used for protection and recovery of a file system. In particular, a selection of one or more items to be included in a safety zone is received. A system call that may affect an item in the safety zone is intercepted. If the system call affects an item in the safety zone, the system call is processed to avoid permanent modification of the item. In particular, the invisible file technology provides data
10 protection by altogether preventing certain modifications to the file system and, in some cases, provides recovery for a file system of a computer by returning the file system to its original form when there are unwanted modifications.